

What is claimed is:

1. A method of manufacturing a yoke comprising the steps of:

cutting a steel plate into a rectangular sheet having a plurality of first dovetail convexities at one end thereof and a plurality of second dovetail convexities to be fitted to said plurality of first dovetail convexities at the other end;

rolling said rectangular sheet into a cylinder to fit said plurality of first dove tails and said plurality of second dove tails to each other; and

punching border portions of said plurality of first dove tails and said plurality of second dove tails.

2. The method of manufacturing a yoke according to claim 1, wherein

said first dovetail convexities and said second dove tail are cut into the same shape in said step of cutting.

3. The method of manufacturing a yoke according to claim 1, wherein

said first dove tails and said second dove tails are punched only on a straight line crossing said border portions.

4. The method of manufacturing a yoke according to claim 1, wherein

said first dove tails and said second dove tails are punched except opposite ends of said border portions.

5. The method of manufacturing a yoke according to claim 1, wherein

    said first dove tails and said second dove tails are shaped so that at least a portion of each dove tail is straight.

6. A method of manufacturing a yoke comprising the steps of:

    forming a rectangular sheet having convexities at one side and concavities at the other side from a steel plate;

    rolling up said rectangular sheet into a hollow cylindrical member;

    fitting said convexities and said concavities to each other;

    clamping said convexities and said concavities to each other; and

    electro-statically painting an outer periphery of said hollow cylindrical member to cover said outer periphery with a paint film.

7. The method of manufacturing a yoke according to claim 6, wherein

    said step of rolling comprises a step of forming an outwardly open gap between said convexities and said concavities.

8. The method of manufacturing a yoke according to claim 7, wherein

    said outwardly open gap is less than twice as thick as

thickness of said paint film.

9. The method of manufacturing a yoke according to claim 6, further comprises a step of heating said hollow cylindrical member before said step of painting.

10. The method of manufacturing a yoke according to claim 6, wherein

    said painting step starts from an angular position where said convexities and said concavities are fitted and clamped and ends at the same angular position.

11. A method of manufacturing a yoke comprising the steps of:

    cutting a steel plate into a sheet having a plurality of convexities at a side and a plurality of convexities at the other side and a chamfered axial end;

    rolling said sheet to form a cylindrical shape;

    fitting said convexities and said concavities; and clamping said convexities and said concavities by pressing the same.

12. The method of manufacturing a yoke according to claim 11, wherein

    said chamfered end is formed by pressing.

13. The method of manufacturing a yoke according to claim 11, wherein

    said step of cutting comprises a step of forming a shear

drop at said end, and

said step of rolling comprises a step of locating said shear drop outside said cylindrical shape.

14. The method of manufacturing a yoke according to claim 11, wherein

said step of cutting comprises a step of forming a shear drop at said end, and

said step of rolling comprises a step of locating said shear drop inside said cylindrical shape.